

Title (en)
SERIAL SIPHON VALVES FOR FLUIDIC OR MICROFLUIDIC DEVICES

Title (de)
IN REIHE GESCHALTETE HEBERVENTILE FÜR FLUIDIK- ODER MIKROFLUIDIK-VORRICHTUNGEN

Title (fr)
SOUPAPES DE SIPHON EN SÉRIE POUR DISPOSITIFS FLUIDIQUES OU MICRO-FLUIDIQUES

Publication
EP 2135069 A4 20110309 (EN)

Application
EP 08714739 A 20080303

Priority
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• US 90437207 P 20070302

Abstract (en)
[origin: WO2008106782A1] Methods and devices using a co-radial arrangement of serial siphon structures composed of siphon valves each separated by a capillary valve to save radial space in a fluidic system. Such serial siphon valves allow to sequentially distribute liquids in a fluidic system upon application of successive centripetal accelerations and decelerations applied to a rotary platform.

IPC 8 full level
B81B 5/00 (2006.01); **B81B 7/04** (2006.01); **C07K 1/14** (2006.01); **C12M 1/00** (2006.01); **C12N 15/10** (2006.01); **C12Q 1/68** (2006.01); **G01N 31/20** (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP US)
B01L 3/502738 (2013.01 - EP US); **F16K 99/0001** (2013.01 - EP US); **F16K 99/0021** (2013.01 - EP US); **F16K 99/0063** (2013.01 - EP US); **G01N 21/07** (2013.01 - EP US); **B01L 2200/0621** (2013.01 - EP US); **B01L 2300/0803** (2013.01 - EP US); **B01L 2300/0861** (2013.01 - EP US); **B01L 2400/0409** (2013.01 - EP US); **B01L 2400/0688** (2013.01 - EP US); **F16K 2099/0074** (2013.01 - EP US); **F16K 2099/0084** (2013.01 - EP US); **Y10T 137/0753** (2015.04 - EP US); **Y10T 137/0989** (2015.04 - EP US); **Y10T 137/218** (2015.04 - EP US); **Y10T 137/2911** (2015.04 - EP US); **Y10T 137/86928** (2015.04 - EP US); **Y10T 137/87917** (2015.04 - EP US)

Citation (search report)
• [X] US 2003044322 A1 20030306 - ANDERSSON PER [SE], et al
• [A] WO 0243866 A2 20020606 - BURSTEIN TECHNOLOGIES INC [US]
• [AP] DE 102005048233 A1 20070412 - UNIV ALBERT LUDWIGS FREIBURG [DE]
• See references of WO 2008106782A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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